

Message Text

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ORIGIN PM-04

INFO OCT-01 AS-01 EA-09 ISO-00 L-03 NASA-02 ACDA-10
CIAE-00 DODE-00 INR-07 NSAE-00 NSC-05 ERDA-07 OES-06
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APPROVED BY PM/ISO - GTCHURCHILL
EA/ANP - TWAJDA
OASD/ISA/FMRA - JREINERTSON
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OASD/ISA/PPNSC - CDR EMELANSON
NASA - DWILLIAMSON

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R 022350Z FEB 77
FM SECSTATE WASHDC
TO AMEMBASSY CANBERRA
INFO DMA WASHDC/PPS
DMATC WASHDC/52000
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UNCLAS STATE 024017

E.O. 11652: N/A

TAGS: MARR,TSPA,AS

SUBJECT: GEOS-C SATELLITE OBSERVATION PROGRAM

REF: STATE 110540 (DTG 122323Z MAY 75)

1. DOD PROPOSES TO INITIATE A JOINT US/AUSTRALIA THREE
MONTH SATELLITE OBSERVATION PROGRAM AS A FOLLOW-ON TO THE
PROJECT REFERENCED ABOVE. PROPOSED PROGRAM WILL INVOLVE THE
OPERATION OF A PORTABLE TELEMTRY AND A DOPPLER SATELLITE
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RECEIVER STATION IN NORTHEASTERN AUSTRALIA. THE PROGRAM
WILL SUPPORT THE NASA GEOS-C SATELLITE LAUNCHED 9 APR 75
AND WOULD BE CONDUCTED WITHIN THE FRAMEWORK OF THE US/
AUSTRALIA MAPPING AGREEMENT AND SUBSEQUENT ARRANGEMENTS.
THE GEOS-C PROGRAM IS DESIGNED TO DEMONSTRATE THE UTILITY
OF A SPACE BORNE RADAR ALTIMETER FOR MEASURING THE GEOMETRY
OF THE OCEAN SURFACE AND MAKING MEAN SEA LEVEL DETERMINATIONS.

PROJECT REQUIREMENTS ARE OUTLINED BELOW.

2. THE PROPOSED JOINT DOPPLER/TELEMETRY STATION WOULD BE LOCATED ON THE NORTHEAST COAST OF AUSTRALIA ON CAPE YORK FOR A PERIOD OF THREE MONTHS BEGINNING EARLY MAR 77. DMA PROPOSES TO PROVIDE EQUIPMENT AND TWO TECHNICIANS. ONE AUSTRALIAN TECHNICIAN WOULD BE DESIRABLE TO ASSIST IN THE

OPERATION OF THE STATION. DMA WOULD SHIP THE REQUIRED TELEMETRY/DOPPLER TRACKING EQUIPMENT AND ACCOMPANYING SUPPORT EQUIPMENT (APPROXIMATELY 2200 LBS.).

3. SPECIFIC SITING REQUIREMENTS FOR THE DOPPLER TRACKING AND TELEMETRY ARE AS FOLLOWS:

A. OPTICAL HORIZON MUST BE CLEAR OF MAJOR OBSTRUCTIONS ABOVE FIVE DEGREES ELEVATION IN ALL DIRECTIONS.

B. AREA MUST BE FREE OF RADIO TRANSMISSIONS ON RECEIVING FREQUENCIES OF 136.32MHZ, 162MHZ AND 400MHZ OR HARMONICS THEREOF.

C. RADIO INTERFERENCE AND BACKGROUND NOISE SOURCES SUCH AS AUTOMOBILE IGNITION, HIGH VOLTAGE TRANSMISSION LINES, HIGH POWER TRANSMITTING EQUIPMENT, HIGHLY INDUSTRIALIZED AREAS, ETC., SHOULD BE AVOIDED.

D. ELECTRICAL POWER OF 500 WATTS, 50 OR 60 CYCLES SINGLE PHASE, 110 OR 220 VOLTS, 24 HOURS A DAY IS DESIRABLE.
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TEAM CAN PROVIDE POWER SOURCE IF UNAVAILABLE LOCALLY.

E. A FULL-TIME COMMERCIAL OR GOVERNMENT TELETYPE CIRCUIT IN THE VICINITY OF THE EQUIPMENT SITE (OR ACCESS TO AN ESTABLISHED RELIABLE CIRCUIT ON A PART-TIME BASIS) WHICH IS CAPABLE OF ROUTING THE DATA MESSAGE TO THE SATELLITE CONTROL CENTER AT THE DMA TOPOGRAPHIC CENTER IN WASHINGTON, D.C.

F. AN EXISTING PERMANENT SHELTER FOR STORAGE AND ADMINISTRATIVE WORK WITH A MINIMUM OF APPROXIMATELY 100 SQ. FT.

4. ALTIMETER DATA RECEIVED BY THE TELEMETRY STATION WILL BE AVAILABLE TO AUSTRALIA WITH A NOT RELEASABLE TO FOREIGN NATIONALS EXCEPT AUSTRALIA CAVEAT. REQUESTS FOR THESE DATA BY THIRD PARTIES (THAT IS BY OTHER THAN AUSTRALIA) SHOULD BE REFERRED TO THE NASA OFFICE OF INTERNATIONAL AFFAIRS FOR ACTION. DATA ACQUIRED AS A RESULT OF REFERENCE HAS ALREADY BEEN PROVIDED AUSTRALIA UNDER THE SAME ARRANGE-

MENT.

5. ALL COSTS INCURRED FOR TRANSPORT OF DMA EQUIPMENT TO AND FROM THE SITE, STATION OPERATING COSTS AS WELL AS US PERSONNEL COSTS WILL BE FUNDED BY THE US.

6. ACTION REQUESTED: EMBASSY IS REQUESTED TO SEEK APPROVAL FOR THE PROPOSED JOINT US/AUSTRALIA GEOS-C OBSERVATION PROGRAM. GOOD OFFICES OF COL JAMES L. STEDMAN, DIRECTOR, MILITARY SURVEY, CANBERRA (TELEPHONE 663351) SHOULD BE UTILIZED IN ARRANGING APPROPRIATE CLEARANCE. COL. STEDMAN IS AWARE OF THE DETAILS OF THIS PROPOSAL AND HAS BEEN HELPFUL IN ARRANGING SIMILAR CLEARANCES IN THE PAST.
VANCE

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: SATELLITES, PROGRAMS (PROJECTS), MAPPING, GEOGRAPHIC SURVEYS
Control Number: n/a
Copy: SINGLE
Sent Date: 02-Feb-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01-Jan-1960 12:00:00 am
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
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Document Unique ID: 00
Drafter: JSCOTT:ML
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D770038-1176
Format: TEL
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1977/newtext/t19770279/aaaacsah.tel
Line Count: 130
Litigation Code IDs:
Litigation Codes:
Litigation History:
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Message ID: f9b7cdcc-c288-dd11-92da-001cc4696bcc
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Retention: 0
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Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 3425090
Secure: OPEN
Status: NATIVE
Subject: GEOS-C SATELLITE OBSERVATION PROGRAM
TAGS: MARR, TSPA, AS
To: CANBERRA
Type: TE
vdkgvwkey: odb://SAS/SAS.dbo.SAS_Docs/f9b7cdcc-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
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22 May 2009
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